

## WEST Search History

DATE: Tuesday, September 07, 2004

Hide?	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L12	L11 and (capacit\$4)	3
<input type="checkbox"/>	L11	L10 and (transform\$4)	4
<input type="checkbox"/>	L10	L9 and (amplified or amplification or amplifying or amplifies or amplifier)	15
<input type="checkbox"/>	L9	L8 and (current)	15
<input type="checkbox"/>	L8	L7 and (frequency or RF)	15
<input type="checkbox"/>	L7	L6 and ((switch\$4) with ripple)	15
<input type="checkbox"/>	L6	L5 and (ripple)	43
<input type="checkbox"/>	L5	L4 and (switch\$4)	2694
<input type="checkbox"/>	L4	L3 and (phas\$3)	8025
<input type="checkbox"/>	L3	L2 and (induct\$4)	9326
<input type="checkbox"/>	L2	l1 and (gradient)	38622
<input type="checkbox"/>	L1	((Magnetic adj resonance) or MRI or NMR)	186565

END OF SEARCH HISTORY

## Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Search Results - Record(s) 1 through 15 of 15 returned.

☐ 1. Document ID: US 6671330 B1

Using default format because multiple data bases are involved.

L10: Entry 1 of 15

File: USPT

Dec 30, 2003

US-PAT-NO: 6671330

DOCUMENT-IDENTIFIER: US 6671330 B1

TITLE: Power amplifier

DATE-ISSUED: December 30, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lenz; Helmut	Oberasbach			DE
Schwingenschloegl; Christian	Schwaig			DE

US-CL-CURRENT: 375/297; 375/238

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	FIGS	Draw Dg
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☐ 2. Document ID: US 6671329 B1

L10: Entry 2 of 15

File: USPT

Dec 30, 2003

US-PAT-NO: 6671329

DOCUMENT-IDENTIFIER: US 6671329 B1

TITLE: Power amplifier

DATE-ISSUED: December 30, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lenz; Helmut	Oberasbach			DE

US-CL-CURRENT: 375/297; 330/10, 375/238

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	FIGS	Draw Dg
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☐ 3. Document ID: US 6172558 B1

L10: Entry 3 of 15

File: USPT

Jan 9, 2001

US-PAT-NO: 6172558

DOCUMENT-IDENTIFIER: US 6172558 B1

TITLE: Switching amplifier and method for operating same

DATE-ISSUED: January 9, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nowak; Stefan	Braeuningshof			DE
Bleisteiner; Robert	Dormitz			DE

US-CL-CURRENT: 330/10; 330/251

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Ds
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☐ 4. Document ID: US 6166602 A

L10: Entry 4 of 15

File: USPT

Dec 26, 2000

US-PAT-NO: 6166602

DOCUMENT-IDENTIFIER: US 6166602 A

TITLE: High-efficiency switching power amplifier

DATE-ISSUED: December 26, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Steigerwald; Robert Louis	Burnt Hills	NY		
Wirth; William Frederick	Johnson Creek	WI		

US-CL-CURRENT: 330/251; 327/124, 330/207A, 363/132

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Ds
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☐ 5. Document ID: US 6163201 A

L10: Entry 5 of 15

File: USPT

Dec 19, 2000

US-PAT-NO: 6163201

DOCUMENT-IDENTIFIER: US 6163201 A

TITLE: Circuit for supplying a load with a direct voltage

DATE-ISSUED: December 19, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Schweighofer; Peter	Nuremberg			DE

US-CL-CURRENT: 327/496; 327/531, 327/587

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 6. Document ID: US 6031746 A

L10: Entry 6 of 15

File: USPT

Feb 29, 2000

US-PAT-NO: 6031746

DOCUMENT-IDENTIFIER: US 6031746 A

TITLE: Switching amplifier for generating continuous arbitrary waveforms for  
magnetic resonance imaging coils

DATE-ISSUED: February 29, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Steigerwald; Robert Louis	Burnt Hills	NY		
Wirth; William Frederick	Johnson Creek	WI		
Stevanovic; Ljubisa Dragolijub	Clifton Park	NY		
Park; John Norton	Rexford	NY		

US-CL-CURRENT: 363/71; 323/225

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 7. Document ID: US 5721490 A

L10: Entry 7 of 15

File: USPT

Feb 24, 1998

US-PAT-NO: 5721490

DOCUMENT-IDENTIFIER: US 5721490 A

TITLE: Power source apparatus including a plurality of output current amplifiers  
connected in parallel and MRI apparatus using the same

DATE-ISSUED: February 24, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Takano; Hiroshi	Ibaraki-ken			JP
Takeuchi; Hiroyuki	Kashiwa			JP
Chabata; Keiichi	Kashiwa			JP
Domoto; Takuya	Kashiwa			JP
Hatakeyama; Takanobu	Ryugasaki			JP

US-CL-CURRENT: 324/322; 600/410

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 8. Document ID: US 5663647 A

L10: Entry 8 of 15

File: USPT

Sep 2, 1997

US-PAT-NO: 5663647

DOCUMENT-IDENTIFIER: US 5663647 A

TITLE: Switching gradient amplifier with adjustable DC bus voltage

DATE-ISSUED: September 2, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wirth; William Frederick	Johnson Creek	WI		
Park; John N.	Rexford	NY		

US-CL-CURRENT: 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 9. Document ID: US 5519601 A

L10: Entry 9 of 15

File: USPT

May 21, 1996

US-PAT-NO: 5519601

DOCUMENT-IDENTIFIER: US 5519601 A

TITLE: Pulse-width modulated circuit for applying current to a load

DATE-ISSUED: May 21, 1996

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Close; Eric C.	Valley Forge	PA		
Goff; Jerry K.	Doylestown	PA		
Yost; Donald A.	Willow Grove	PA		

US-CL-CURRENT: 363/98; 318/811

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 10. Document ID: US 5513094 A

L10: Entry 10 of 15

File: USPT

Apr 30, 1996

US-PAT-NO: 5513094

DOCUMENT-IDENTIFIER: US 5513094 A

TITLE: Switch-mode power supply for bridged linear amplifier

DATE-ISSUED: April 30, 1996

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Stanley; Gerald R.	Osceola	IN		

US-CL-CURRENT: 363/98; 323/266, 363/41

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw De
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☐ 11. Document ID: US 5365422 A

L10: Entry 11 of 15

File: USPT

Nov 15, 1994

US-PAT-NO: 5365422

DOCUMENT-IDENTIFIER: US 5365422 A

TITLE: Pulse-width modulated circuit for applying current to a load

DATE-ISSUED: November 15, 1994

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Close; Eric C.	Valley Forge	PA		
Goff; Jerry K.	Doylestown	PA		
Yost; Donald A.	Willow Grove	PA		

US-CL-CURRENT: 363/98; 318/811

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw De
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☐ 12. Document ID: US 5270657 A

L10: Entry 12 of 15

File: USPT

Dec 14, 1993

US-PAT-NO: 5270657

DOCUMENT-IDENTIFIER: US 5270657 A

TITLE: Split gradient amplifier for an MRI system

DATE-ISSUED: December 14, 1993

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wirth; William F.	Sullivan	WI		

McFarland; Thomas G.	Hartland	WI
Vavrek; Robert M.	Waukesha	WI
Roemer; Peter B.	Schenectady	NY
Mueller; Otward M.	Ballston Lake	NY
Park; John N.	Rexford	NY

US-CL-CURRENT: 324/322; 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw De
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☐ 13. Document ID: US 5111378 A

L10: Entry 13 of 15

File: USPT

May 5, 1992

US-PAT-NO: 5111378

DOCUMENT-IDENTIFIER: US 5111378 A

TITLE: DC chopper converter

DATE-ISSUED: May 5, 1992

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nowak; Stefan	Erlangen			DE
Bleisteiner; Robert	Dormitz			DE

US-CL-CURRENT: 363/98; 363/132, 363/56.04

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw De
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☐ 14. Document ID: US 5081409 A

L10: Entry 14 of 15

File: USPT

Jan 14, 1992

US-PAT-NO: 5081409

DOCUMENT-IDENTIFIER: US 5081409 A

TITLE: Pulse-width modulated circuit for driving a load

DATE-ISSUED: January 14, 1992

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Goff; Jerry K.	Doylestown	PA		

US-CL-CURRENT: 318/811; 318/599, 388/811, 388/907.2

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw De
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☐ 15. Document ID: US 5027071 A

L10: Entry 15 of 15

File: USPT

Jun 25, 1991

US-PAT-NO: 5027071

DOCUMENT-IDENTIFIER: US 5027071 A

TITLE: Method of, and apparatus for, NMR slice selection

DATE-ISSUED: June 25, 1991

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hardy; Christopher J.	Schenectady	NY		
Roemer; Peter B.	Schenectady	NY		
Mueller; Otward M.	Ballston Lake	NY		

US-CL-CURRENT: 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	NUMC	Drawings
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Term	Documents
AMPLIFIED	352766
AMPLIFIEDS	0
AMPLIFICATION	243944
AMPLIFICATIONS	9254
AMPLIFYING	181445
AMPLIFYINGS	3
AMPLIFIES	85182
AMPLIFY	206919
AMPLIFYS	51
AMPLIFIER	726731
AMPLIFIERS	231987
(L9 AND (AMPLIFIED OR AMPLIFICATION OR AMPLIFYING OR AMPLIFIES OR AMPLIFIER) ).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	15

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Display Format: 

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## Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Search Results - Record(s) 1 through 4 of 4 returned.

☐ 1. Document ID: US 5721490 A

Using default format because multiple data bases are involved.

L11: Entry 1 of 4

File: USPT

Feb 24, 1998

US-PAT-NO: 5721490

DOCUMENT-IDENTIFIER: US 5721490 A

TITLE: Power source apparatus including a plurality of output current amplifiers connected in parallel and MRI apparatus using the same

DATE-ISSUED: February 24, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Takano; Hiroshi	Ibaraki-ken			JP
Takeuchi; Hiroyuki	Kashiwa			JP
Chabata; Keiichi	Kashiwa			JP
Domoto; Takuya	Kashiwa			JP
Hatakeyama; Takanobu	Ryugasaki			JP

US-CL-CURRENT: 324/322; 600/410

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	FIGS	Drawings
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☐ 2. Document ID: US 5270657 A

L11: Entry 2 of 4

File: USPT

Dec 14, 1993

US-PAT-NO: 5270657

DOCUMENT-IDENTIFIER: US 5270657 A

TITLE: Split gradient amplifier for an MRI system

DATE-ISSUED: December 14, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wirth; William F.	Sullivan	WI		
McFarland; Thomas G.	Hartland	WI		
Vavrek; Robert M.	Waukesha	WI		
Roemer; Peter B.	Schenectady	NY		

Mueller; Otward M.                      Ballston Lake                      NY  
Park; John N.                              Rexford                              NY

US-CL-CURRENT: 324/322; 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 3. Document ID: US 5081409 A

L11: Entry 3 of 4

File: USPT

Jan 14, 1992

US-PAT-NO: 5081409

DOCUMENT-IDENTIFIER: US 5081409 A

TITLE: Pulse-width modulated circuit for driving a load

DATE-ISSUED: January 14, 1992

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Goff; Jerry K.	Doylestown	PA		

US-CL-CURRENT: 318/811; 318/599, 388/811, 388/907.2

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 4. Document ID: US 5027071 A

L11: Entry 4 of 4

File: USPT

Jun 25, 1991

US-PAT-NO: 5027071

DOCUMENT-IDENTIFIER: US 5027071 A

TITLE: Method of, and apparatus for, NMR slice selection

DATE-ISSUED: June 25, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hardy; Christopher J.	Schenectady	NY		
Roemer; Peter B.	Schenectady	NY		
Mueller; Otward M.	Ballston Lake	NY		

US-CL-CURRENT: 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Term	Documents
TRANSFORM\$4	0
TRANSFORM	187058
TRANSFORMA	1124
TRANSFORMAAND	1
TRANSFORMAAON	1
TRANSFORMAAT	1
TRANSFORMAB	6
TRANSFORMABE	2
TRANSFORMABI	1
TRANSFORMABIE	3
TRANSFORMABL	3
(L10 AND (TRANSFORM\$4) ).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	4

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[Generate OACS](#)

Search Results - Record(s) 1 through 3 of 3 returned.

☐ 1. Document ID: US 5721490 A

Using default format because multiple data bases are involved.

L12: Entry 1 of 3

File: USPT

Feb 24, 1998

US-PAT-NO: 5721490

DOCUMENT-IDENTIFIER: US 5721490 A

TITLE: Power source apparatus including a plurality of output current amplifiers  
connected in parallel and MRI apparatus using the same

DATE-ISSUED: February 24, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Takano; Hiroshi	Ibaraki-ken			JP
Takeuchi; Hiroyuki	Kashiwa			JP
Chabata; Keiichi	Kashiwa			JP
Domoto; Takuya	Kashiwa			JP
Hatakeyama; Takanobu	Ryugasaki			JP

US-CL-CURRENT: 324/322; 600/410

Full	Title	Citation	Print	Review	Classification	Date	Reference			Claims	Code	Grant De
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☐ 2. Document ID: US 5270657 A

L12: Entry 2 of 3

File: USPT

Dec 14, 1993

US-PAT-NO: 5270657

DOCUMENT-IDENTIFIER: US 5270657 A

TITLE: Split gradient amplifier for an MRI system

DATE-ISSUED: December 14, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wirth; William F.	Sullivan	WI		
McFarland; Thomas G.	Hartland	WI		
Vavrek; Robert M.	Waukesha	WI		
Roemer; Peter B.	Schenectady	NY		

Mueller; Otward M.                      Ballston Lake                      NY  
Park; John N.                              Rexford                              NY

US-CL-CURRENT: 324/322; 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	RMC	Draw D
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☐ 3. Document ID: US 5081409 A

L12: Entry 3 of 3

File: USPT

Jan 14, 1992

US-PAT-NO: 5081409

DOCUMENT-IDENTIFIER: US 5081409 A

TITLE: Pulse-width modulated circuit for driving a load

DATE-ISSUED: January 14, 1992

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Goff; Jerry K.	Doylestown	PA		

US-CL-CURRENT: 318/811; 318/599, 388/811, 388/907.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	RMC	Draw D
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Term	Documents
CAPACIT\$4	0
CAPACIT	8013
CAPACITA	1519
CAPACITAA	1
CAPACITAACA	1
CAPACITAACC	1
CAPACITAACE	10
CAPACITAAI	1
CAPACITABCE	1
CAPACITABEE	1
CAPACITABLY	2
(L11 AND (CAPACIT\$4)).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	3

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